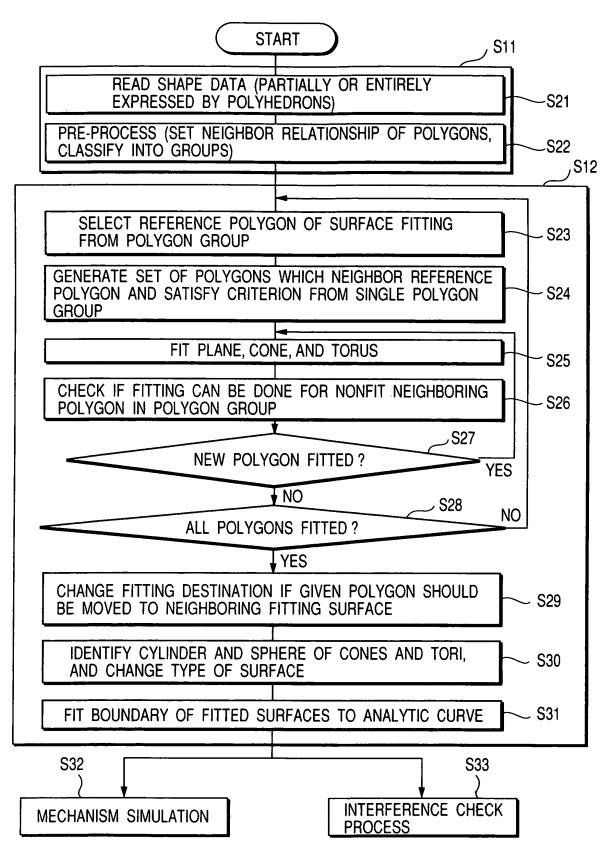
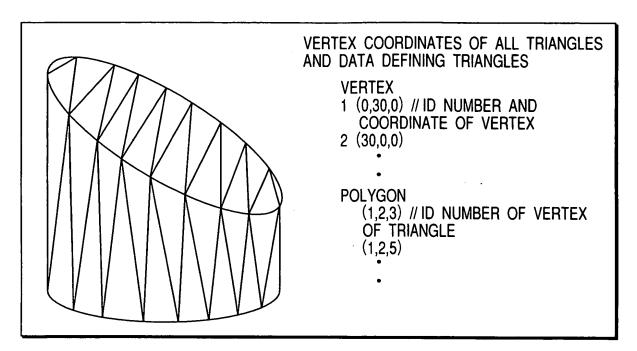


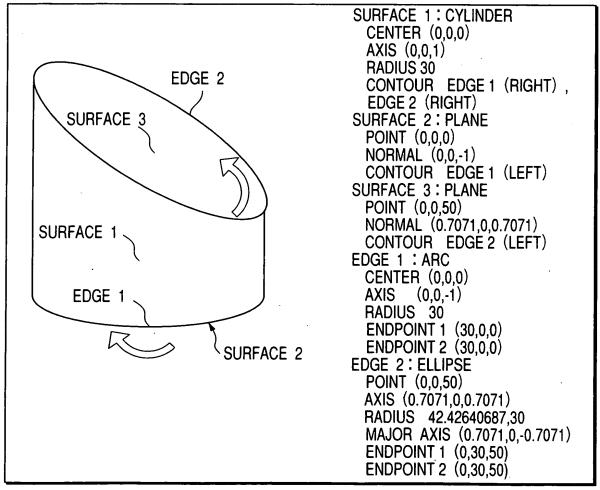
FIG.1



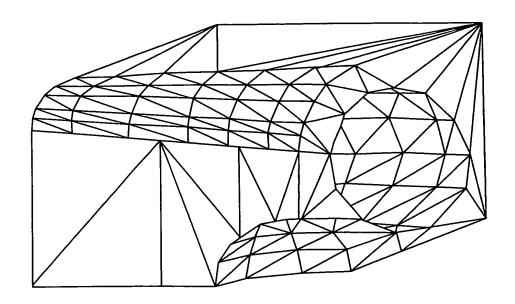
F I G. 2



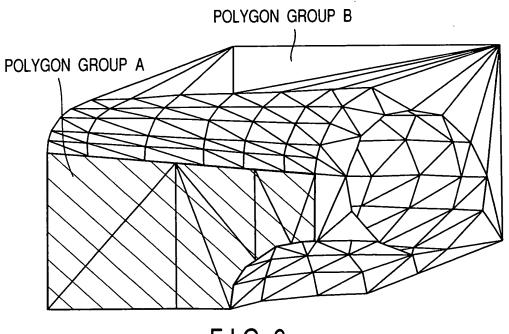
F I G. 3



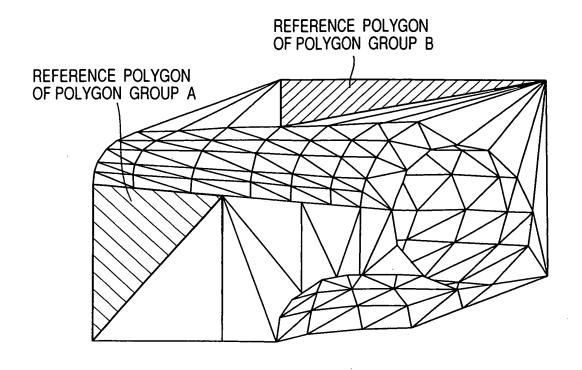
F I G. 4



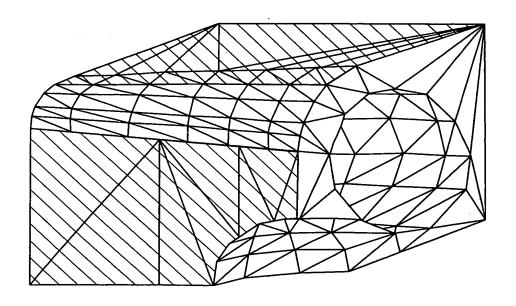
F I G. 5



F I G. 6

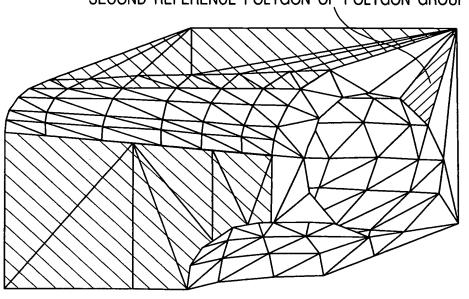


F I G. 7



F1G.8

SECOND REFERENCE POLYGON OF POLYGON GROUP B



F I G. 9

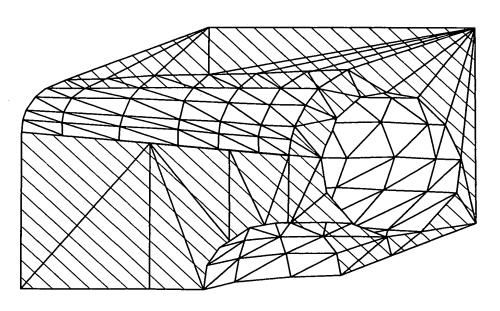


FIG. 10

## THIRD REFERENCE POLYGON OF POLYGON GROUP B

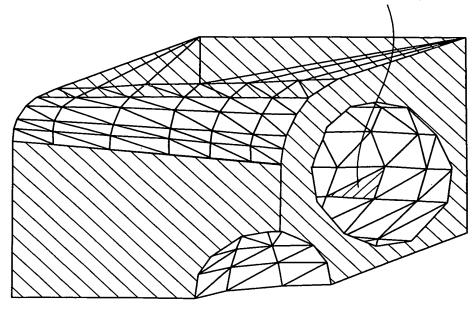
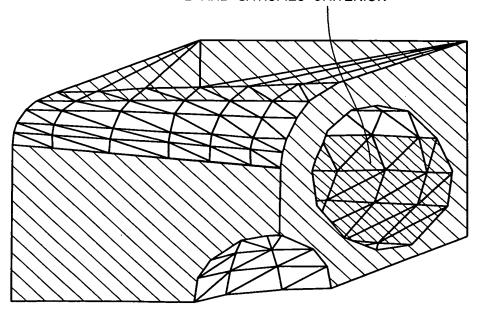
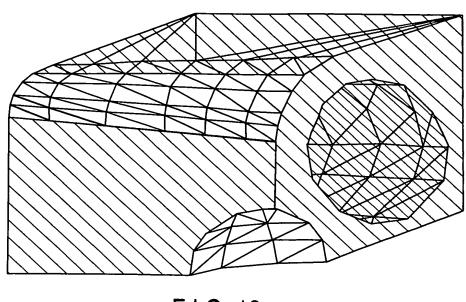


FIG. 11

POLYGON SET WHICH NEIGHBORS THIRD REFERNCE POLYGON OF POLYGON GROUP B AND SATISFIES CRITERION

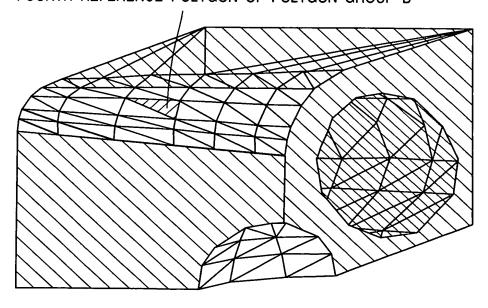


F I G. 12



F I G. 13

## FOURTH REFERENCE POLYGON OF POLYGON GROUP B



F I G. 14

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## POLYGON SET WHICH NEIGHBORS FOURTH REFERNCE POLYGON OF POLYGON GROUP B AND SATISFIES CRITERION

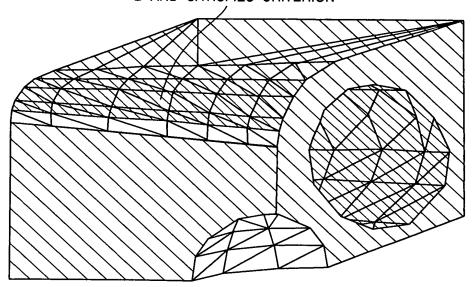


FIG. 15

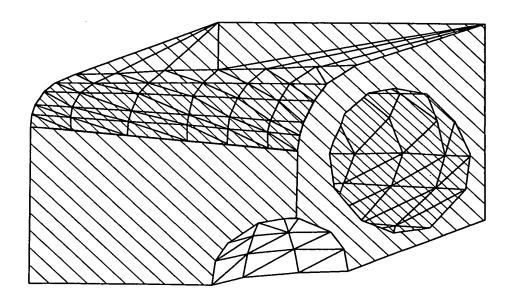
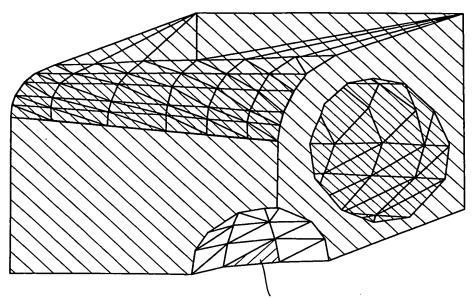
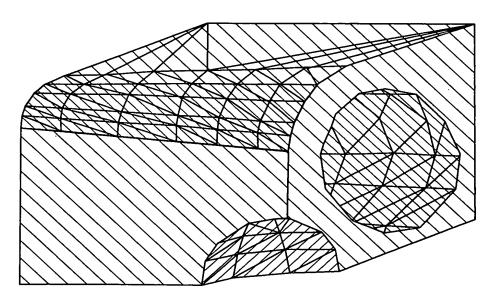


FIG. 16

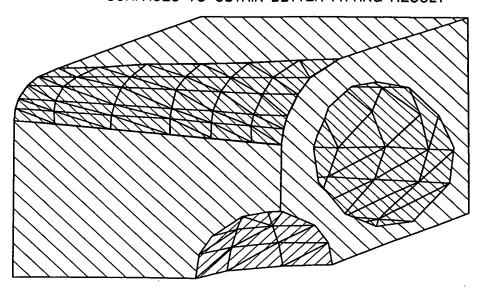


FIFTH REFERENCE POLYGON OF POLYGON GROUP B
FIG. 17

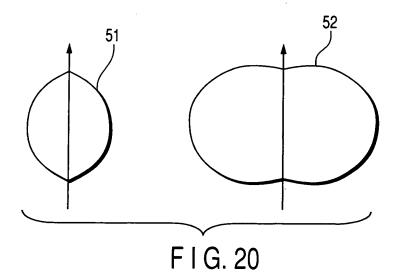


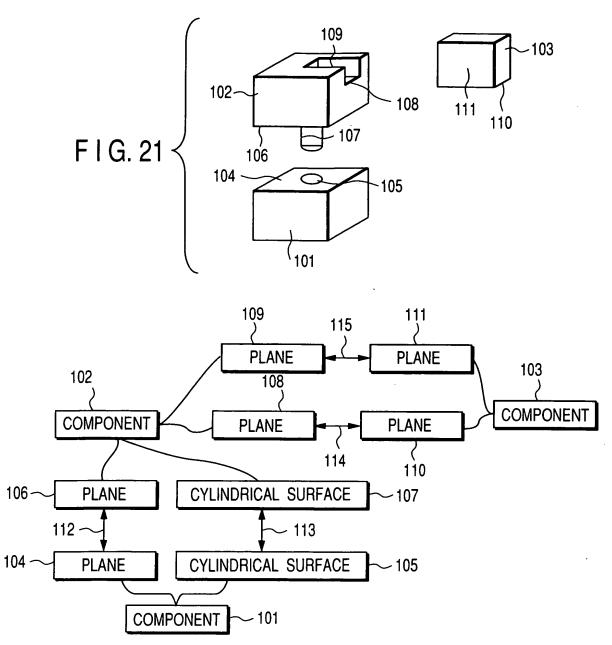
F I G. 18

## MOVEMENT RESULT OF POLYGONS AMONG SURFACES TO OBTAIN BETTER FITTING RESULT

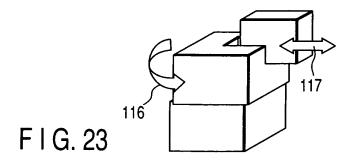


F I G. 19





F I G. 22



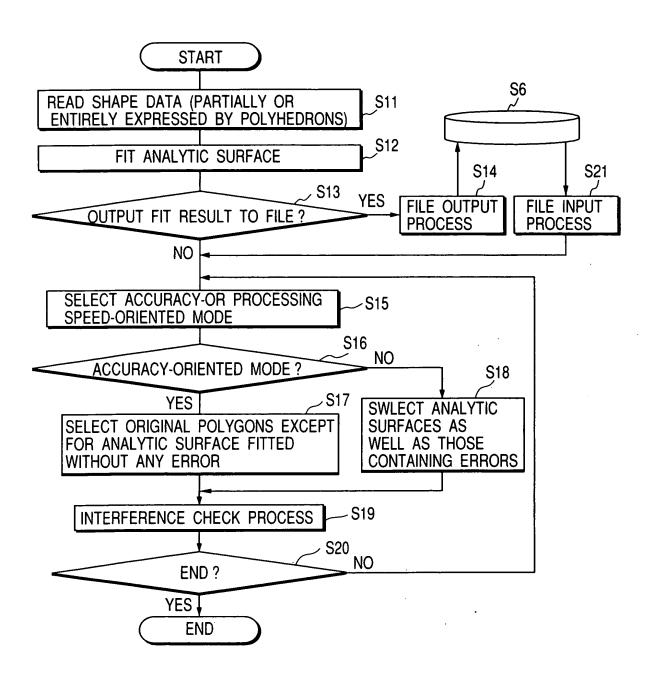


FIG. 24

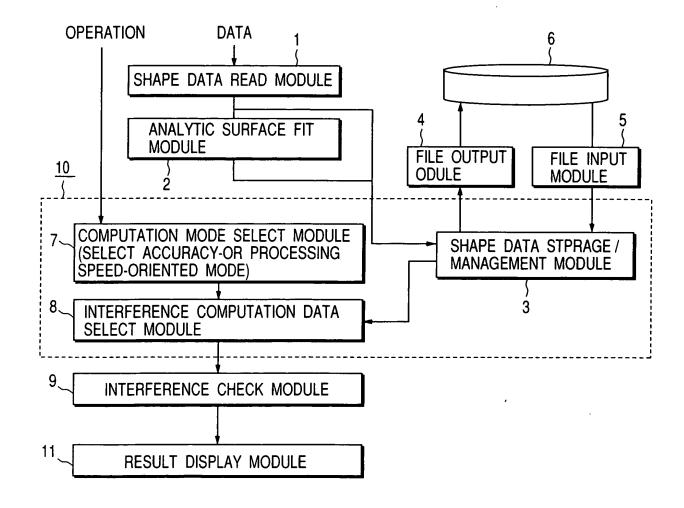


FIG. 25

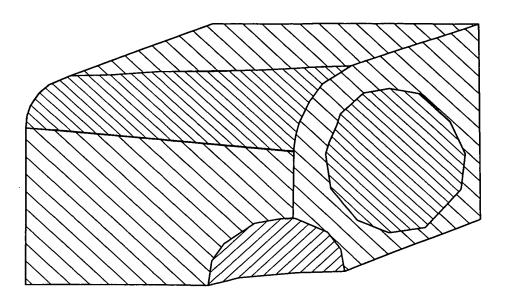
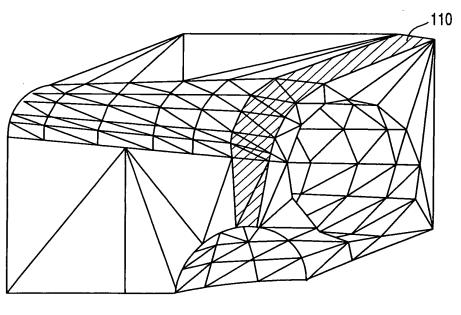
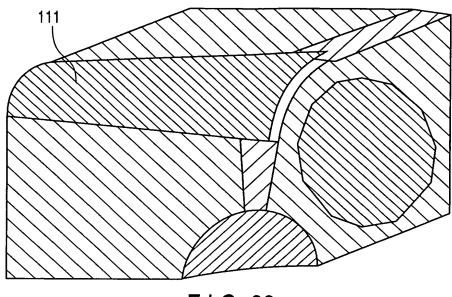


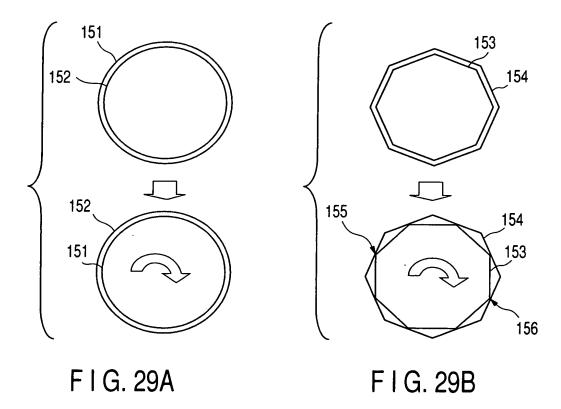
FIG. 26



F I G. 27

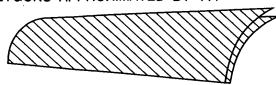


F I G. 28



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TWO CONES THAT SANDWICH POLYGONS APPROXIMATED BY 111



FITTED ANALYTIC SURFACE IS DUPLICATED AND SHIFTED IN OPPOSITE DIRECTIONS SO AS TO SANDWICH ORIGINAL POLYGONS BETWEEN TWO SURFACES

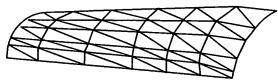
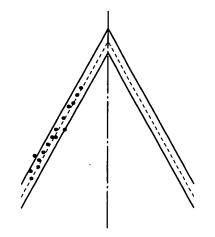


FIG. 30



IN CASE OF CONE (VERTICALLY MOVE CONE ALONG AXIS TO SANDWICH IT BETWEEN TWO SURFACES)

IN CASE OF CYLINDER (SANDWICH BETWEEN TWO SURFACES BY INCREASING / DECREASING RADIUS)

F I G. 31A

FIG. 31B